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1. ☐ 2/34/1 (Item 1 from file: 351)

010075669 **Image available**

WPI Acc No: 1994-343382/199443

Reinforced plastics or rubber hose to carry pressurised fluids - has tubular core round which is wrapped woven network of reinforcement material, slanted in relation to central axis of hose, covered if necessary with outer protective coating

Patent Assignee: MEZZALIRA R (MEZZ-I); FITT SPA (FITT-N)

Inventor: MEZZALIRA R

Number of Countries: 012 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
+ EP 623776	A2	19941109	EP 93111275	A	19930714	199443 B
CA 2123546	A	19941114	CA 2123546	A	19940513	199507
ES 2063726	T1	19950116	EP 93111275	A	19930714	199511
EP 623776	A3	19950517	EP 93111275	A	19930714	199546
+ US 5477888	A	19951226	US 94243483	A	19940513	199606
+ EP 623776	B1	19960214	EP 93111275	A	19930714	199611
DE 69301565	E	19960328	DE 601565	A	19930714	199618
			EP 93111275	A	19930714	
ES 2063726	T3	19960616	EP 93111275	A	19930714	199631
IT 1270777	B	19970507	IT 93VI78	A	19930513	199803
+ CA 2123546	C	19980616	CA 2123546	A	19940513	199835

Priority Applications (No Type Date): IT 93VI78 A 19930513

Cited Patents: No-SR.Pub; EP 153544; FR 2254746; FR 2290292; GB 863303; EP 527512

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 623776	A2	E	4	F16L-011/08	
Designated States (Regional): AT BE DE DK ES FR GB IT NL PT					
ES 2063726	T1			F16L-011/08	Based on patent EP 623776
US 5477888	A		4	F16L-011/08	
EP 623776	B1	E	5	F16L-011/08	
Designated States (Regional): AT BE DE DK ES FR GB IT NL PT					
DE 69301565	E			F16L-011/08	Based on patent EP 623776
ES 2063726	T3			F16L-011/08	Based on patent EP 623776
CA 2123546	A			F16L-011/08	
EP 623776	A3			F16L-011/08	
IT 1270777	B			F16L-000/00	
CA 2123546	C			F16L-011/08	

Abstract (Basic): EP 623776 A

The hose (10) comprises at least one tubular core layer (3) of plastic or rubber material covered by a woven chain mesh network (4) constructed from parallel lines (5) and rows (6) wound around the core layer, and where required an outer or external layer (7) of protective material.

The woven mesh network is slanted at an angle to the central axis (Y) of the hose so that the rows and lines follow opposite directions and cross in relation to the axis.

USE/ADVANTAGE - Provides flexible high pressure hose which resists any out-of-balance caused by torque created by the passage of pressurised fluid through the hose.

Dwg.1/3

Abstract (Equivalent): EP 623776 B

A hose (10), from the interior to the exterior, comprising: at least one tubular inner layer (3) of plastic or rubber material having an exterior surface; a chain-type mesh-network (4) having mesh lines (5) and mesh rows (6), said chain-type mesh-network having in a single layer a tubular shape and being wound on the exterior surface of said inner layer, and an external layer (7) being disposed over the chain-type mesh-network for the protection thereof, characterised in that said mesh rows and mesh lines are slanted in opposite directions at substantially the same inclination relative to the longitudinal axis of the hose for eliminating torsion effects resulting from pressure changes within the hose.

(Dwg.1/3)

Abstract (Equivalent): US 5477888 A

A hose, from the interior to the exterior, comprising:
at least one tubular inner layer of plastic or rubber material having an exterior surface;
a chain-type mesh-network having mesh lines and mesh rows, said chain-type mesh-network having in a single layer a tubular shape and being wound on the exterior surface of said inner layer, wherein said mesh rows and mesh lines being slanted in directions, substantially perpendicular to each other such that the angle of inclination of the mesh rows relative to the longitudinal axis of the hose is substantially equal to the angle of inclination of the mesh lines relative to the longitudinal axis of the hose for eliminating torsion effects resulting from pressure changes within the hose; and
an external layer disposed over the chain-type mesh-network for the protection thereof.

(Dwg.1/3)

Derwent Class: Q67

International Patent Class (Main): F16L-000/00; F16L-011/08

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Sims, John

PK 1 5B41

From: Hook, James
Sent: Thursday, February 01, 2001 9:42 AM
To: Sims, John
Subject: RE: I have a quick question

As per your comment about printing, it's probably because my messages are in a font called Haettenschweiler, and if your printer doesn't have that font installed, it will pick a default font which may be small. The easiest way to correct it is to highlight the text of my typing, then

button you'll see the word Haettenschweiler, with an arrow next to the box, if you click on the arrow and scroll down to times new roman, that will change all the highlighted text to times new roman which should print fine. I change the first part of this message to times new roman, and I'll change the lower part I sent before just in case you need it. Sorry it gave you problems.

-----Original Message-----

From: Sims, John
Sent: Thursday, February 01, 2001 9:22 AM
To: Hook, James
Subject: RE: I have a quick question

We'll try.

For some reason, printing out this message results in a microscopic print for the body of the message. Any theories?

-----Original Message-----

From: Hook, James
Sent: Thursday, February 01, 2001 8:56 AM
To: STIC-EIC3700
Subject: I have a quick question

I need to find out if an Italian application ever was printed as a patent and the date it was patented on if it did get patented. I just found out I needed it, and I need the info before 11am if possible. The info is for an interference. I know last time I requested info from you I had a response in my hand within 45 minutes of turning it in, so hopefully the short notice isn't a problem since I know you guys are fast, and good. Thanks for the help.

The Italian application has a number VI93 A 000078 on it's face (note that is the letter i after the V in the number not a number one).

The Italian application was filed on May 13, 1993.

Thanks, I really appreciate the help.

Jim Hook
308-2913
AU 3752
PK1 5b41